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OIPE JC13
FEB 0 9 2004
PATENT & TRADEMARK OFFICE



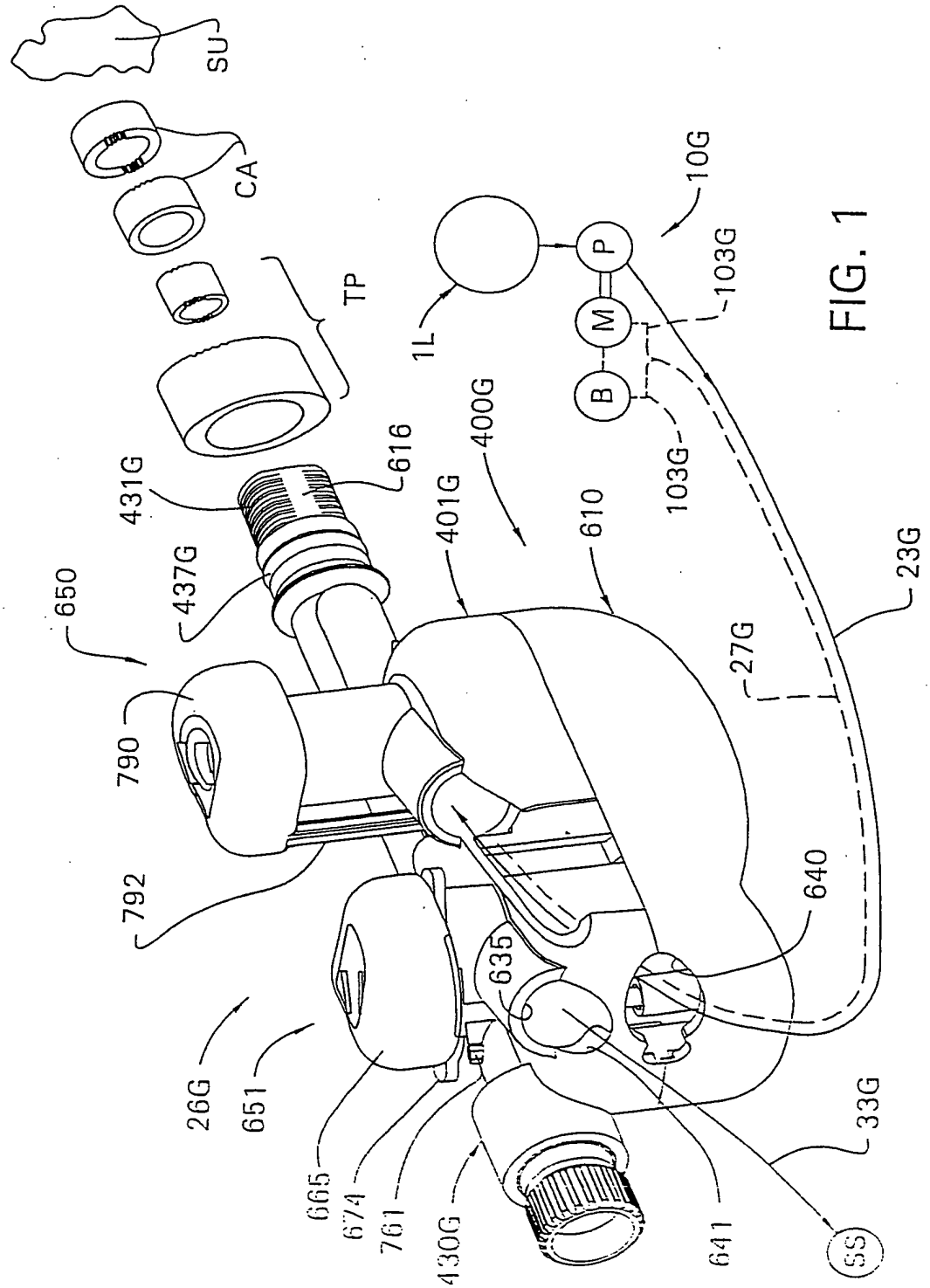


FIG. 1

OIPE
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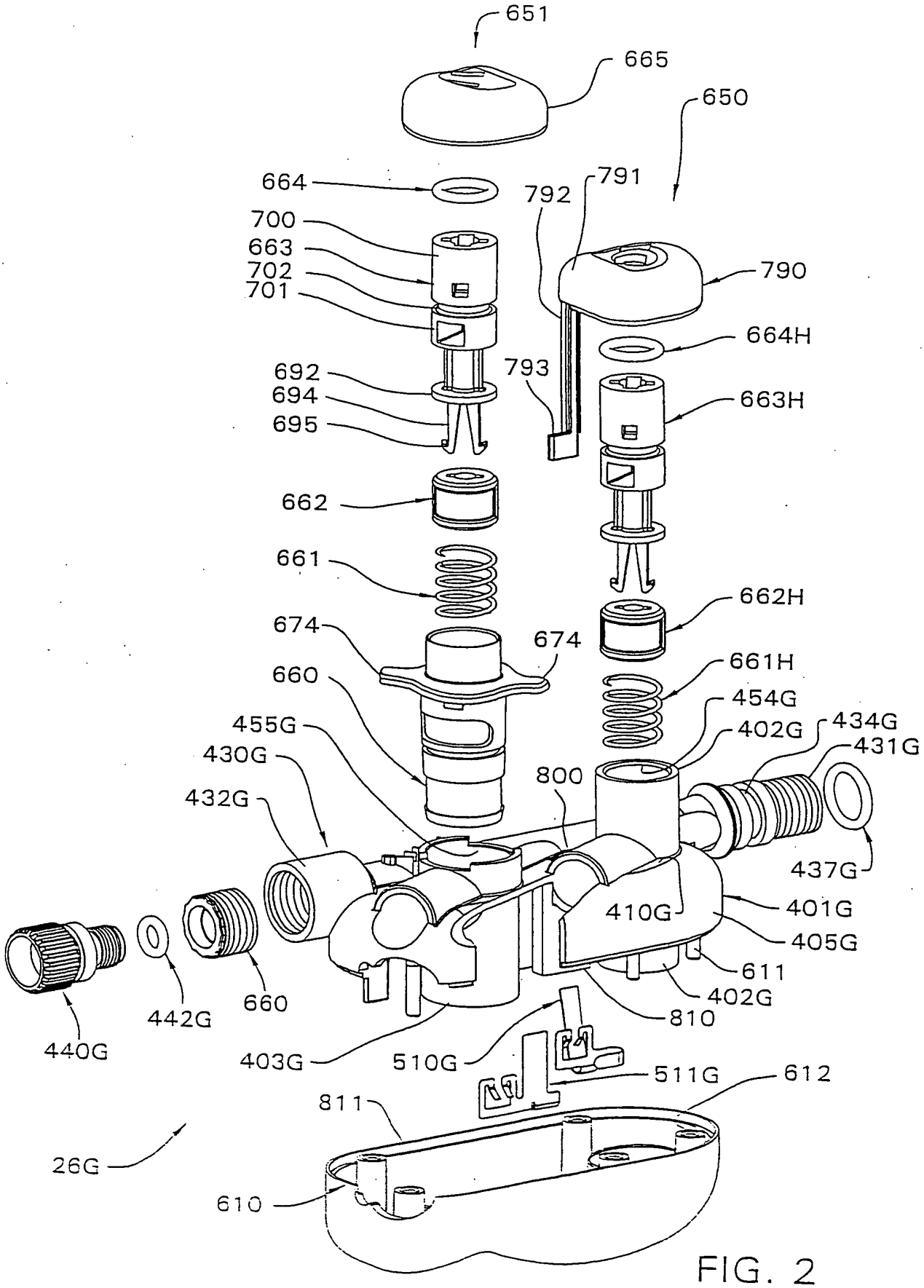


FIG. 2

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PATENT & TRADEMARK OFFICE



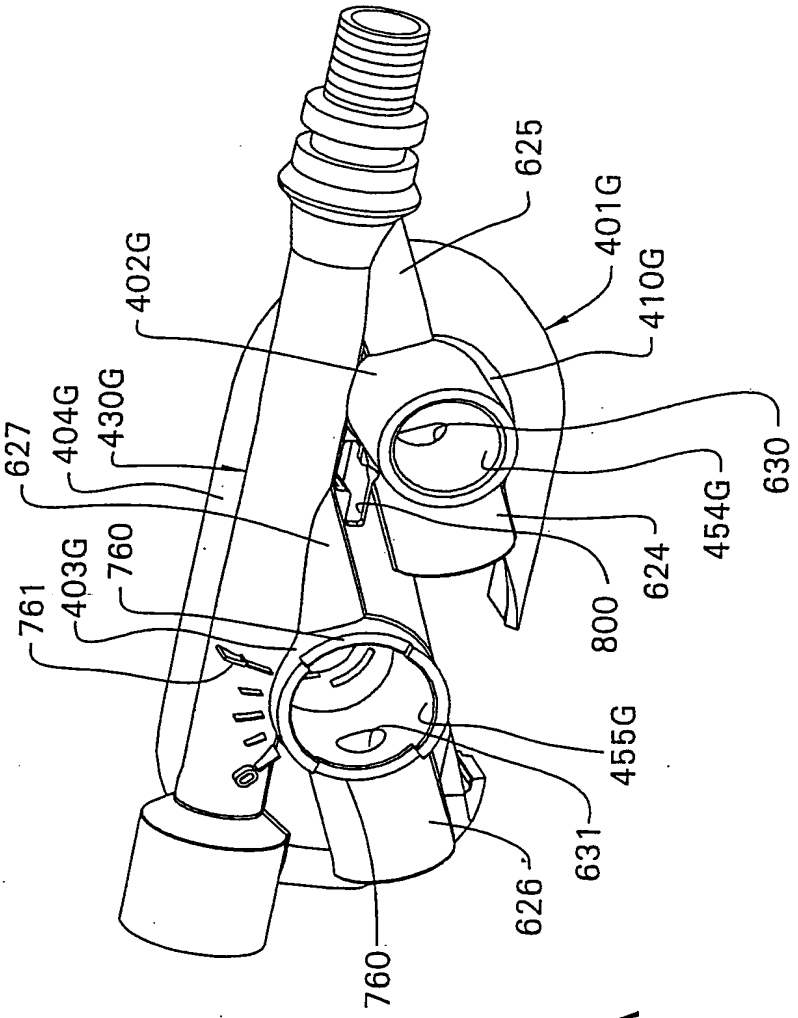
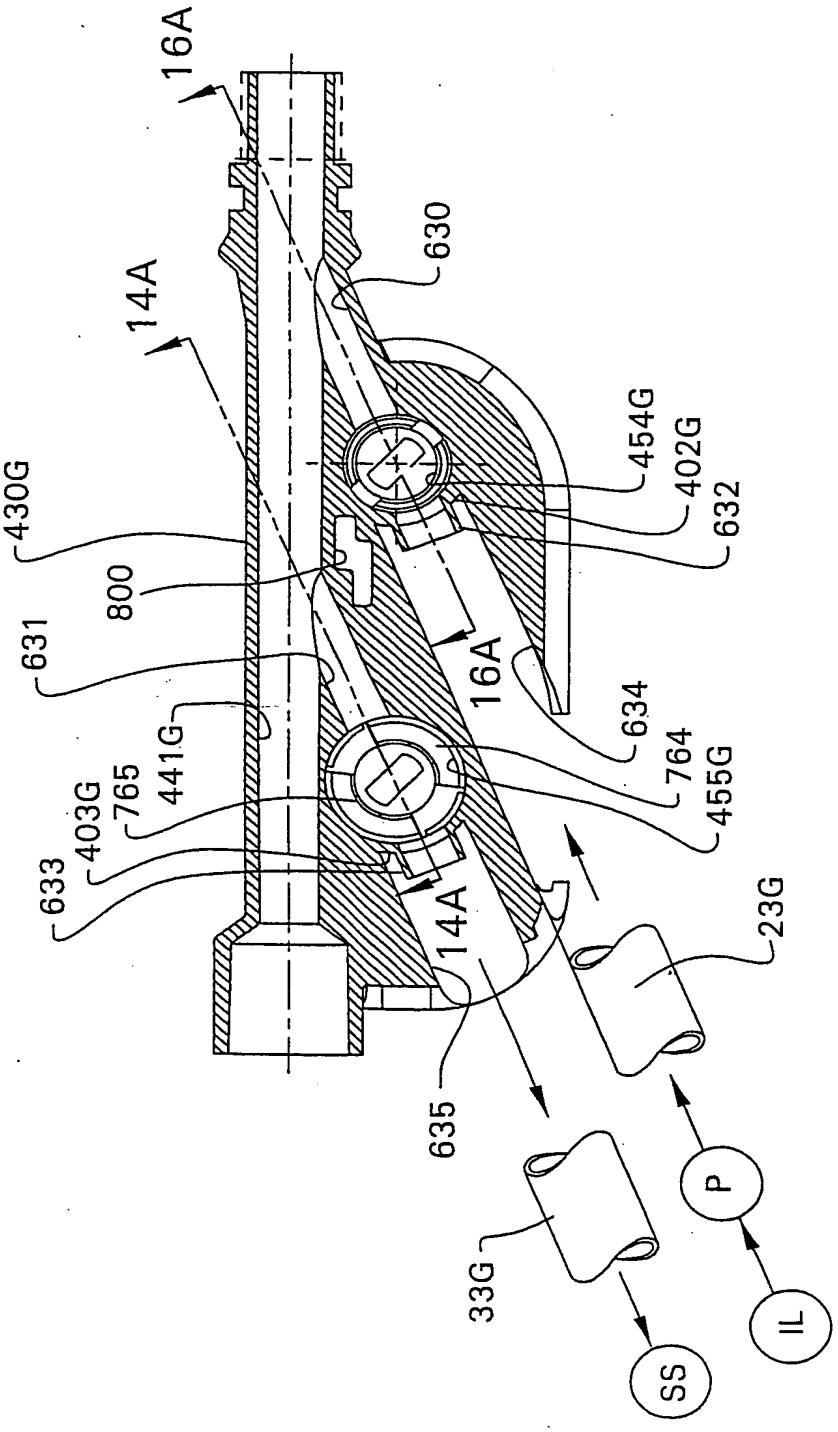



FIG. 3A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14A
23G
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FIG. 3B

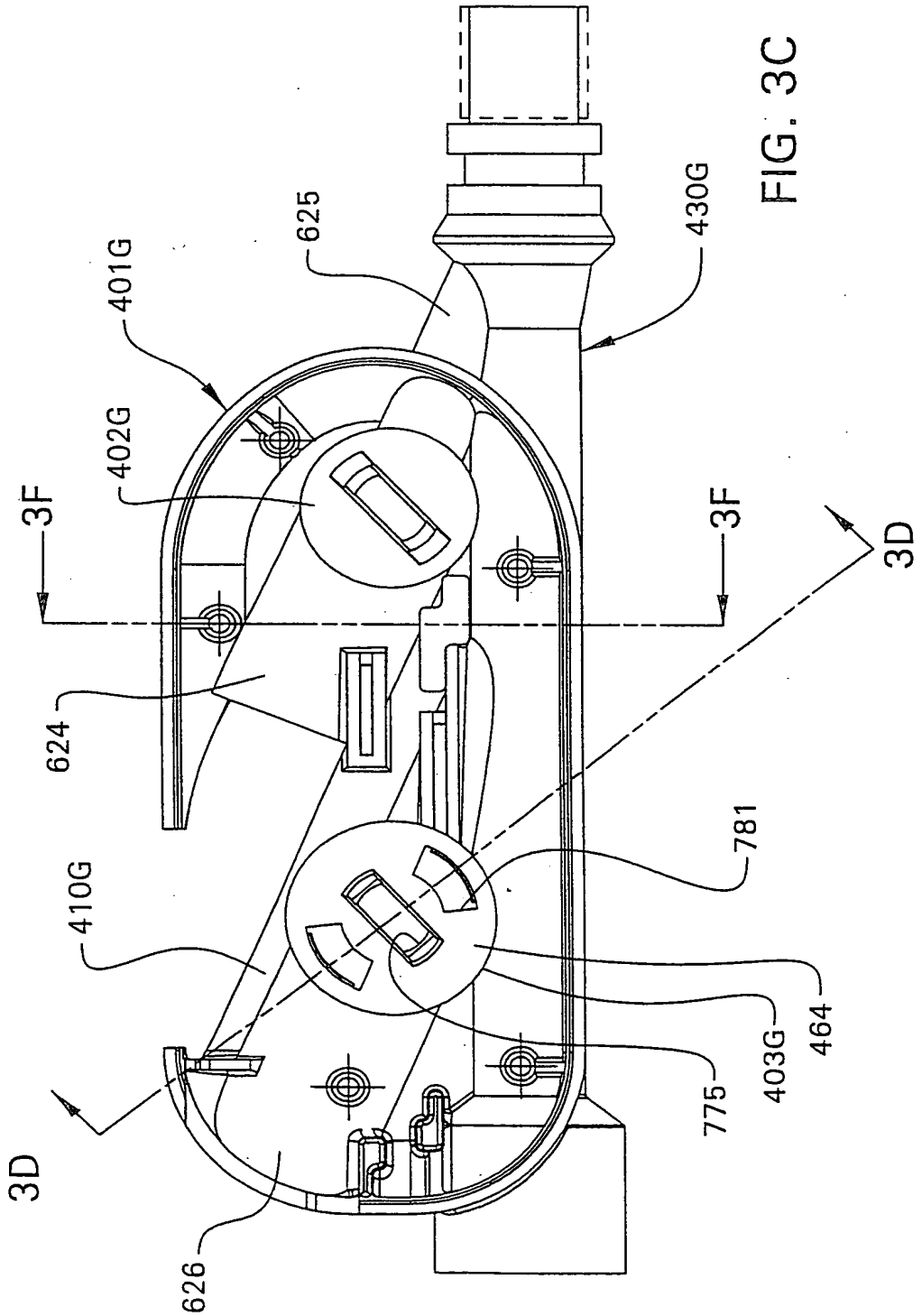


FIG. 3C

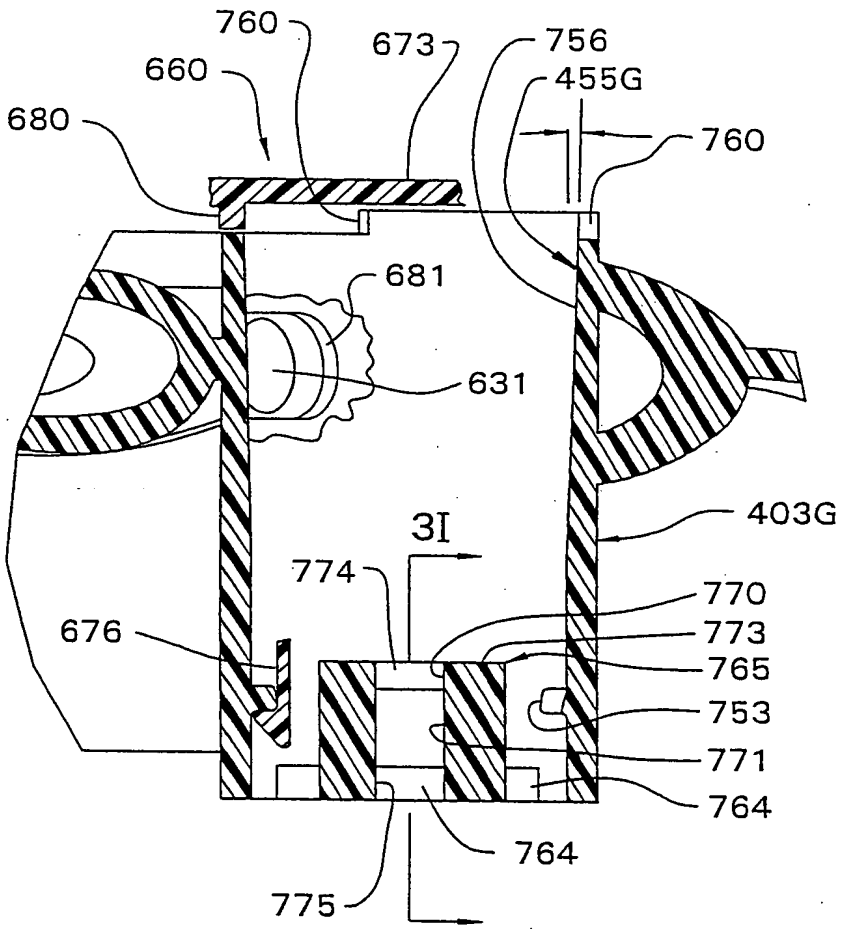
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FIG. 3D

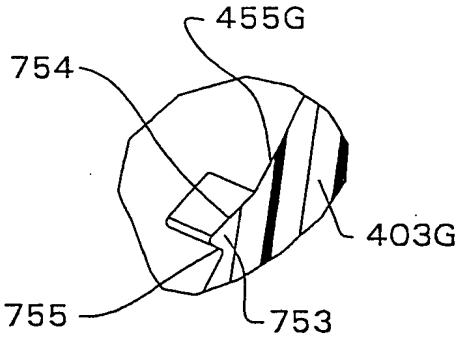


FIG. 3E

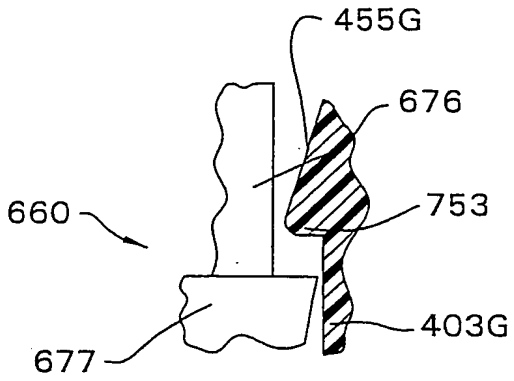


FIG. 3G

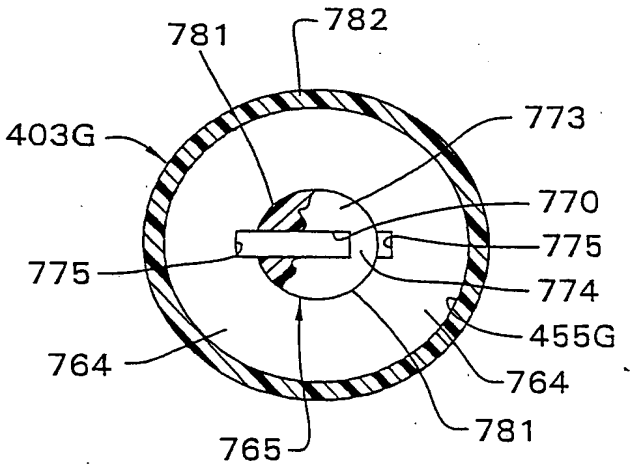


FIG. 3H

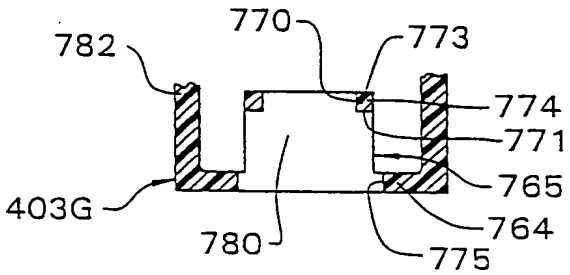


FIG. 3I

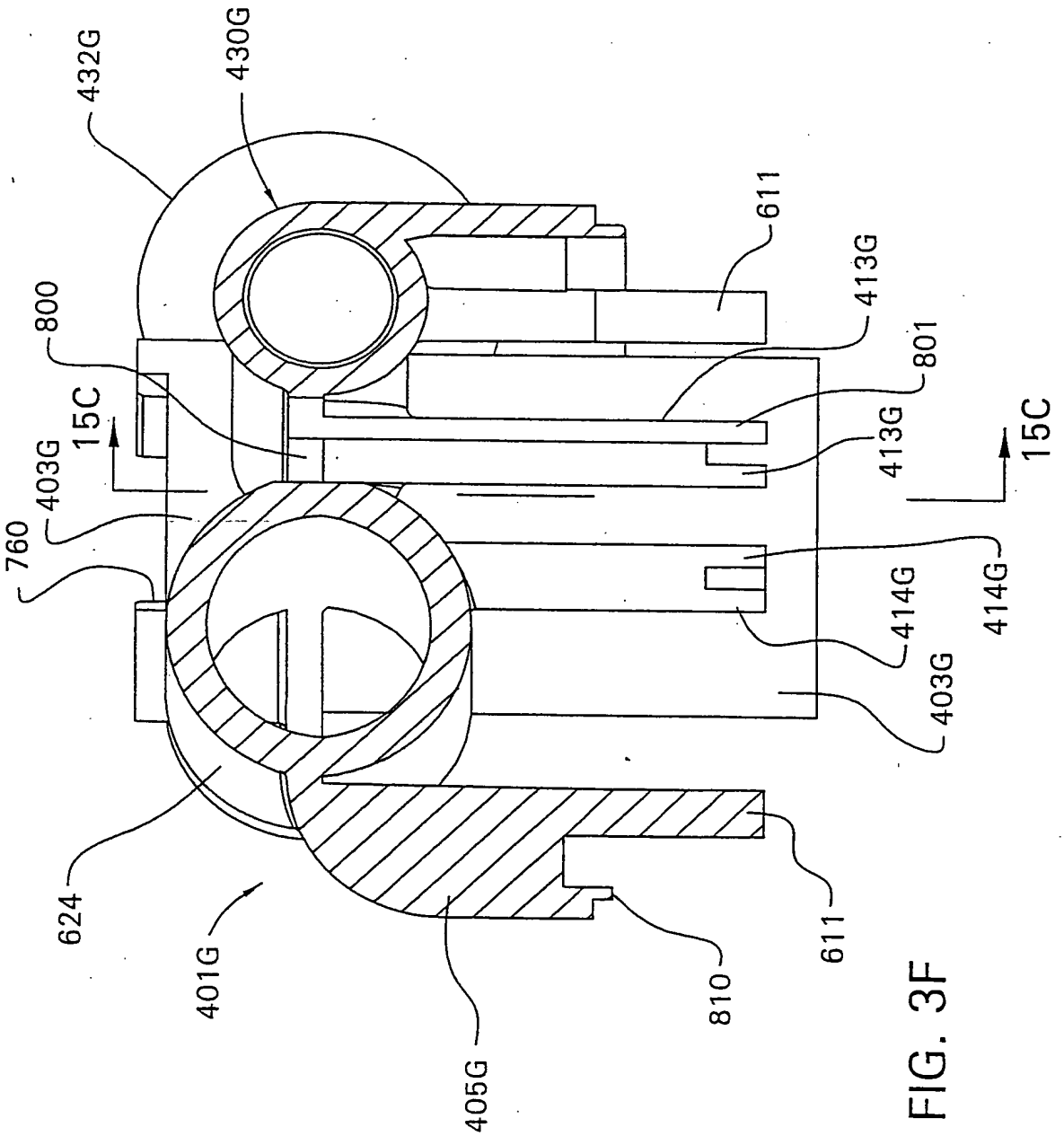
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FIG. 3F

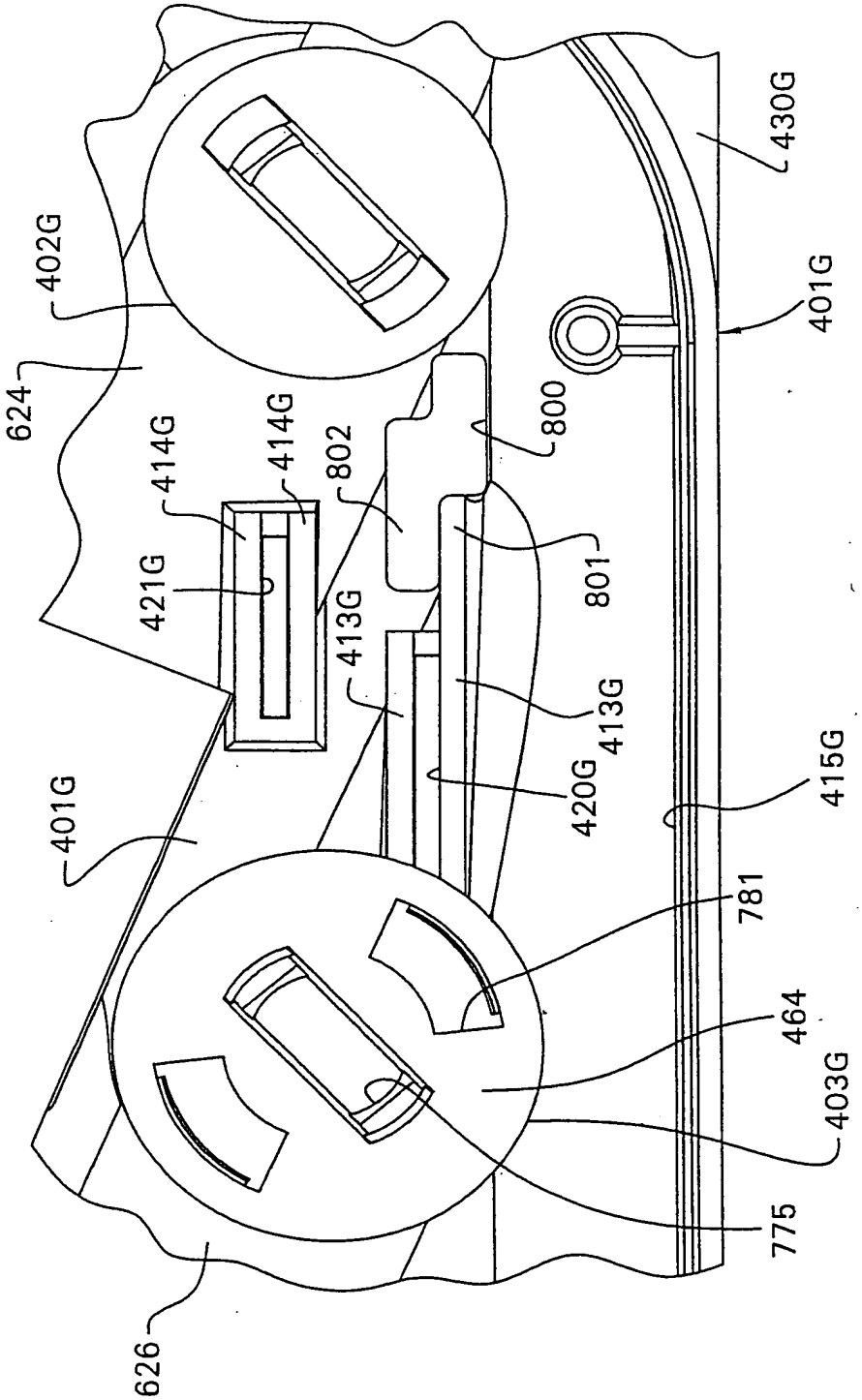
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FIG. 3J

FIG. 4B

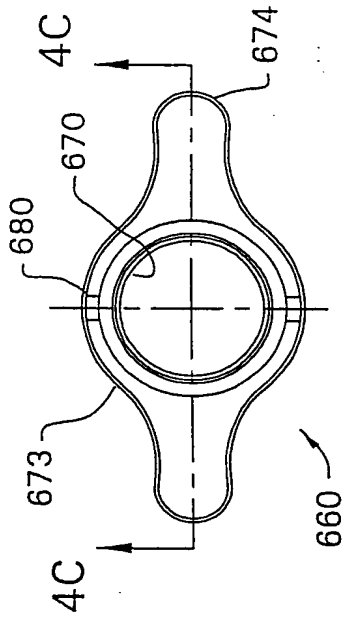



FIG. 4D

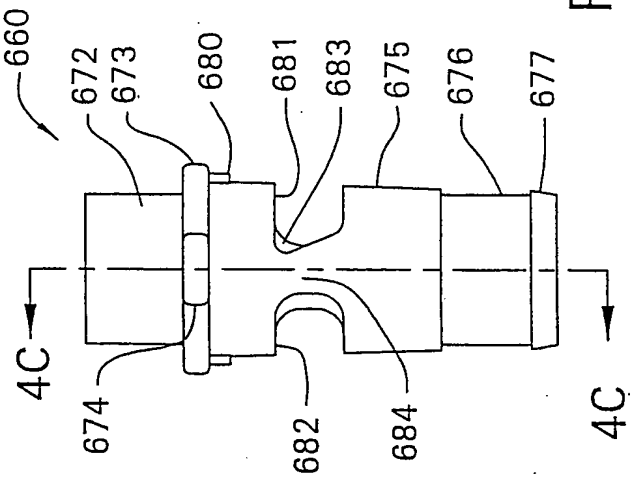



FIG. 4A

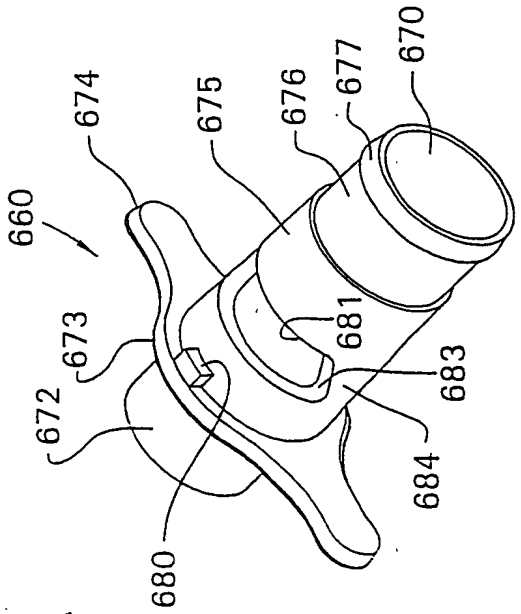



FIG. 4C

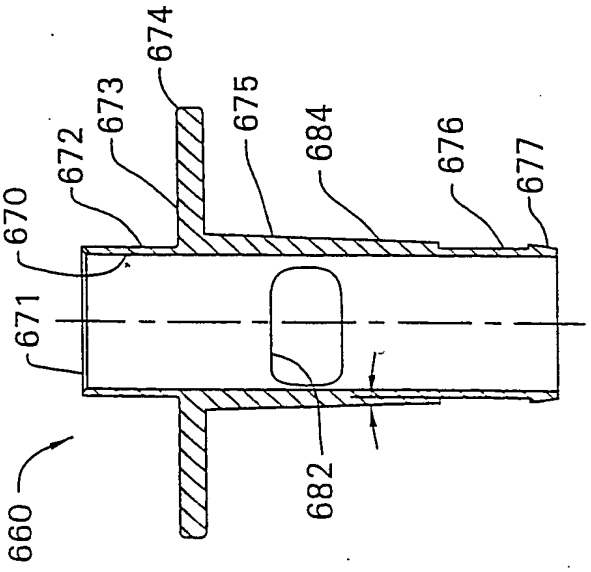
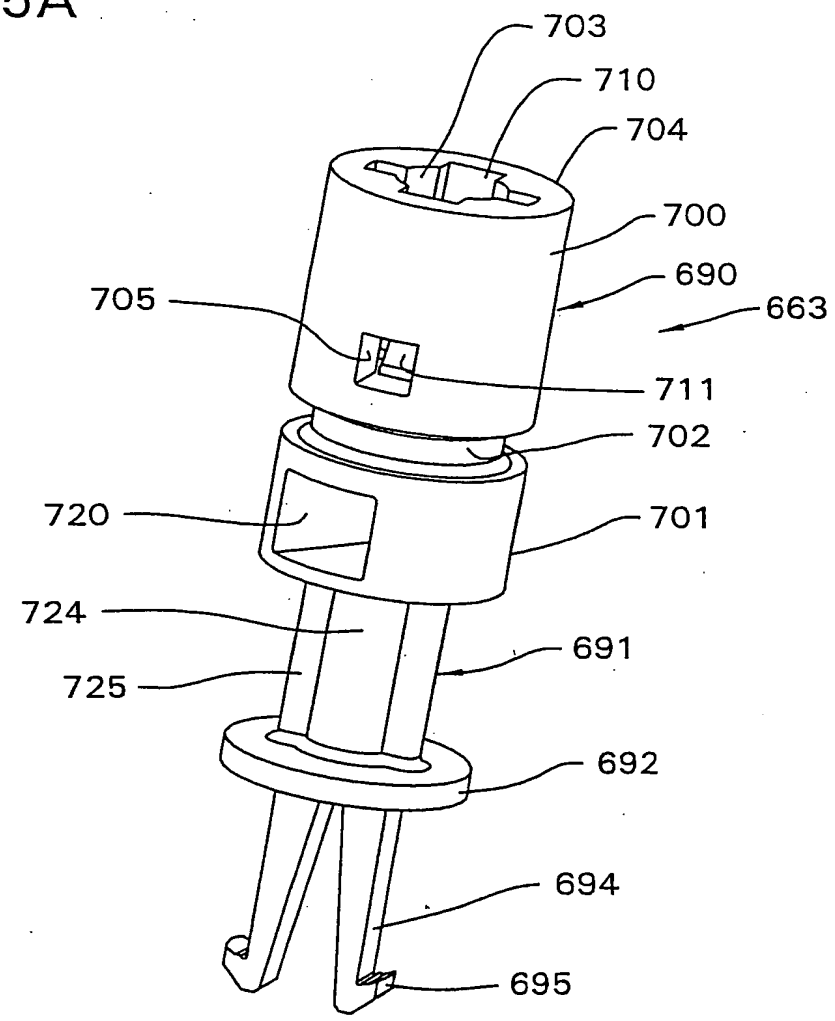


FIG. 5A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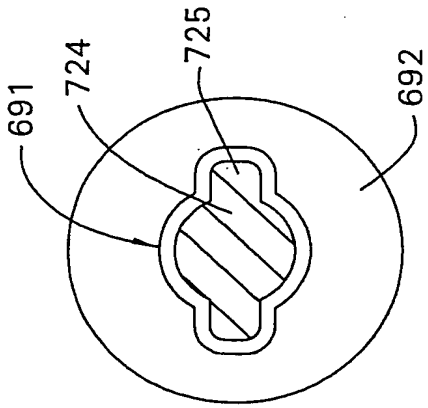
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FIG. 5C

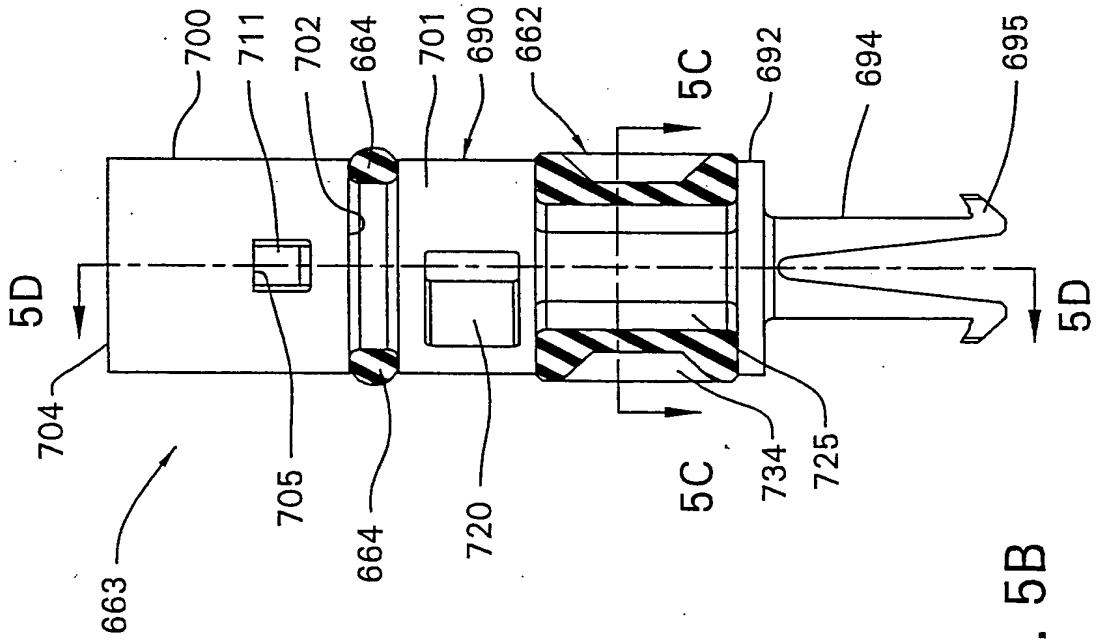
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FIG. 5B

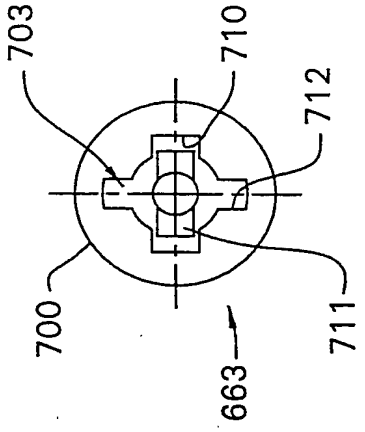



FIG. 5E

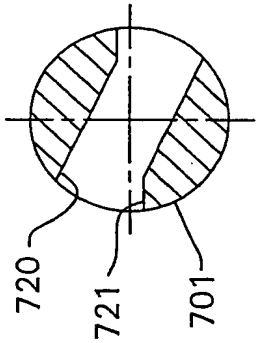



FIG. 5F

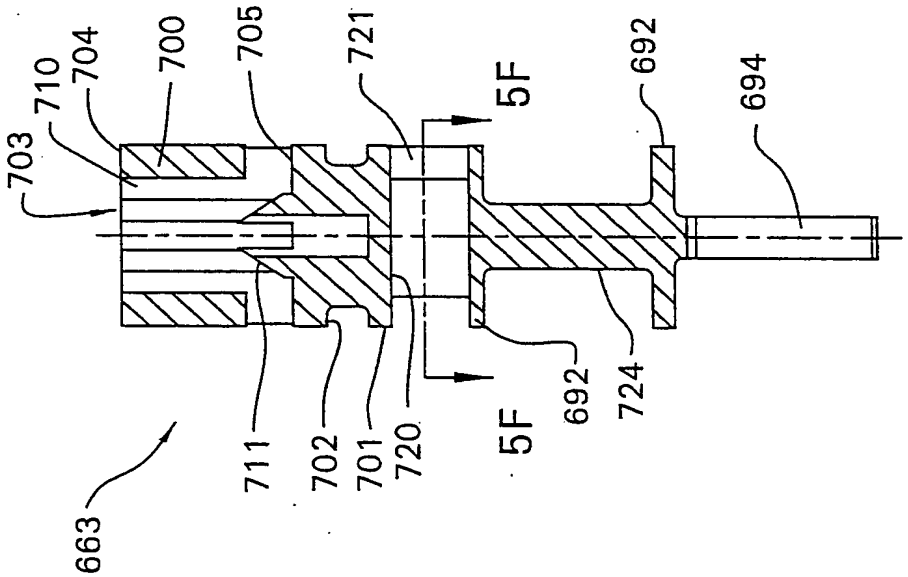



FIG. 5D

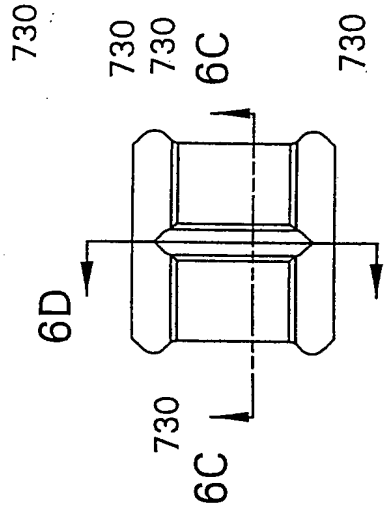



FIG. 6B

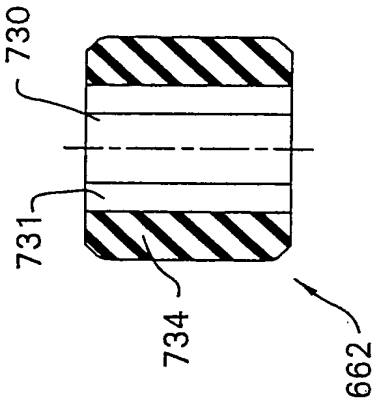



FIG. 6D

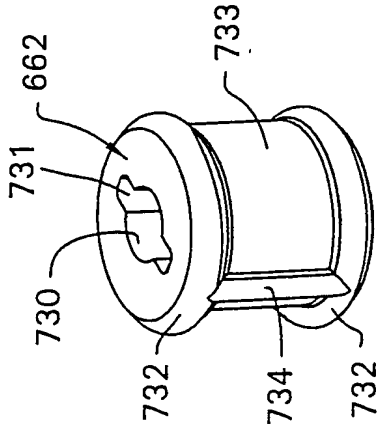



FIG. 6A

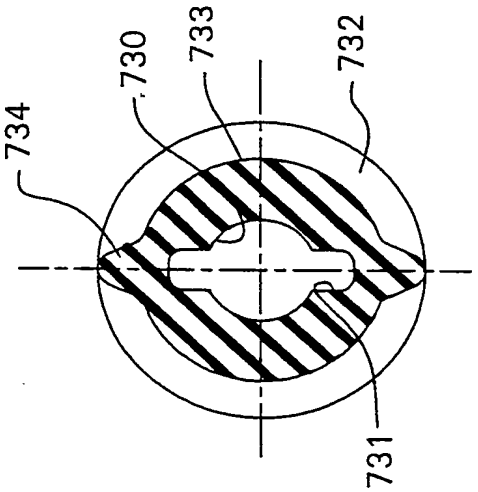



FIG. 6C

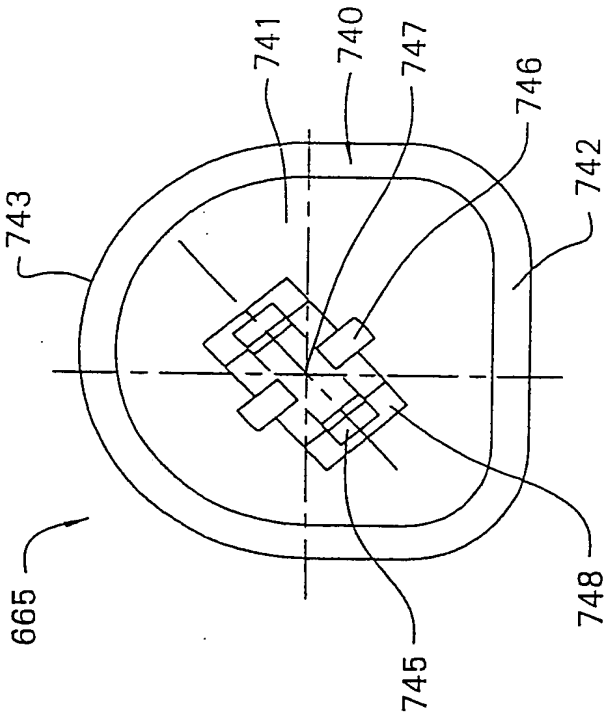



FIG. 7C

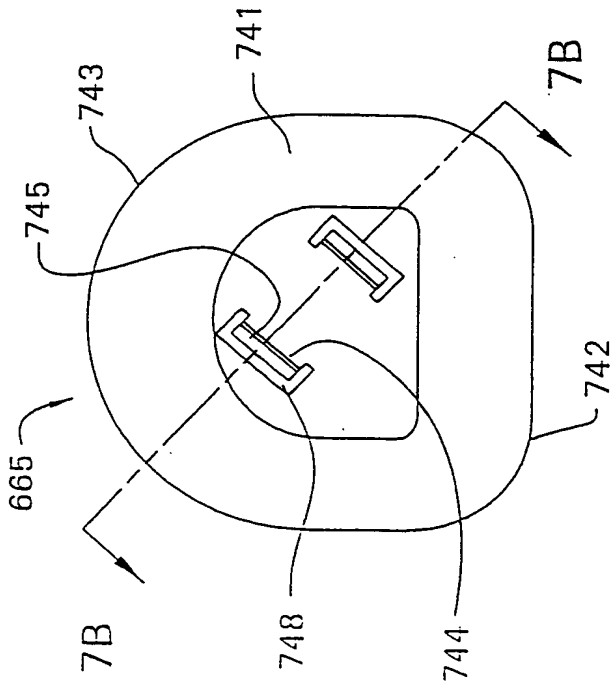



FIG. 7A

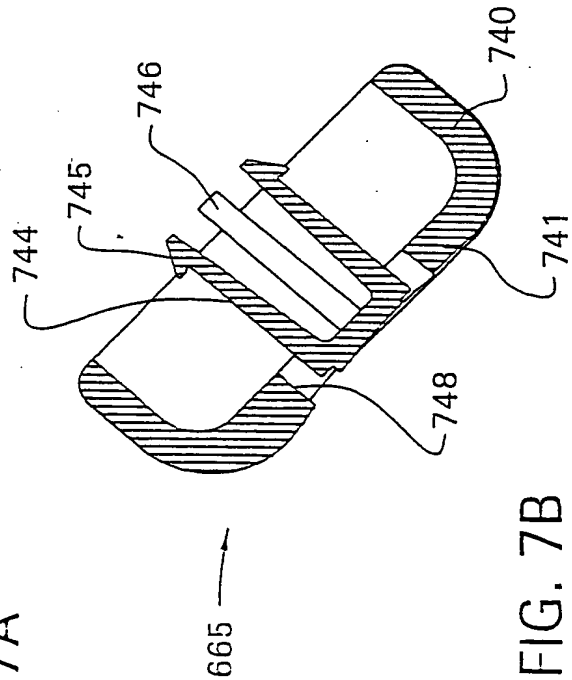
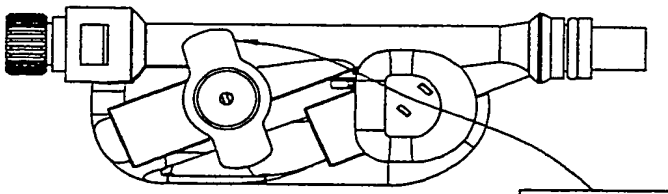



FIG. 7B



closed position, valve closed

Notice the position of the leak actuator

FIG. 8A

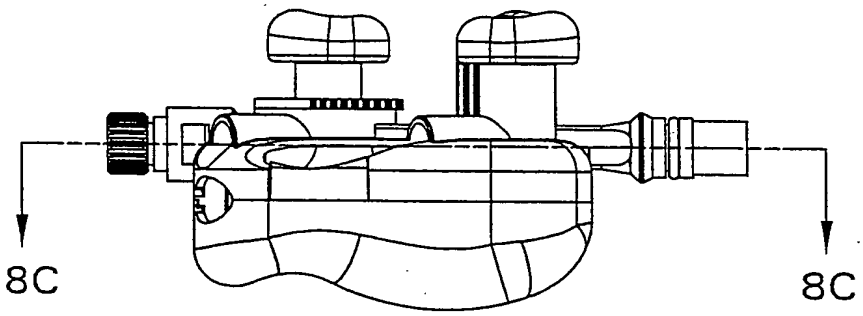
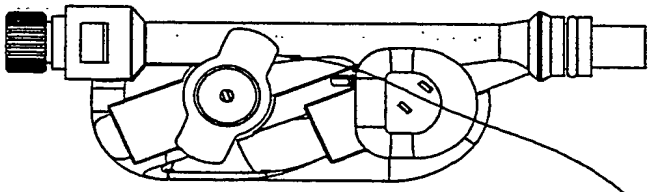
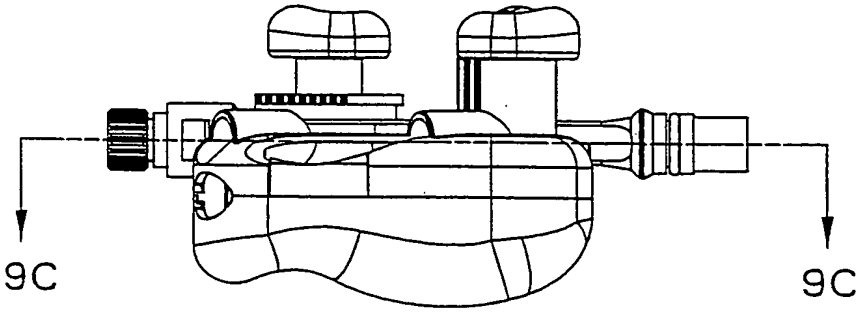



FIG. 8B



Notice the position of the leak actuator

FIG. 9A




leak actuator in open position, valve closed

FIG. 9B

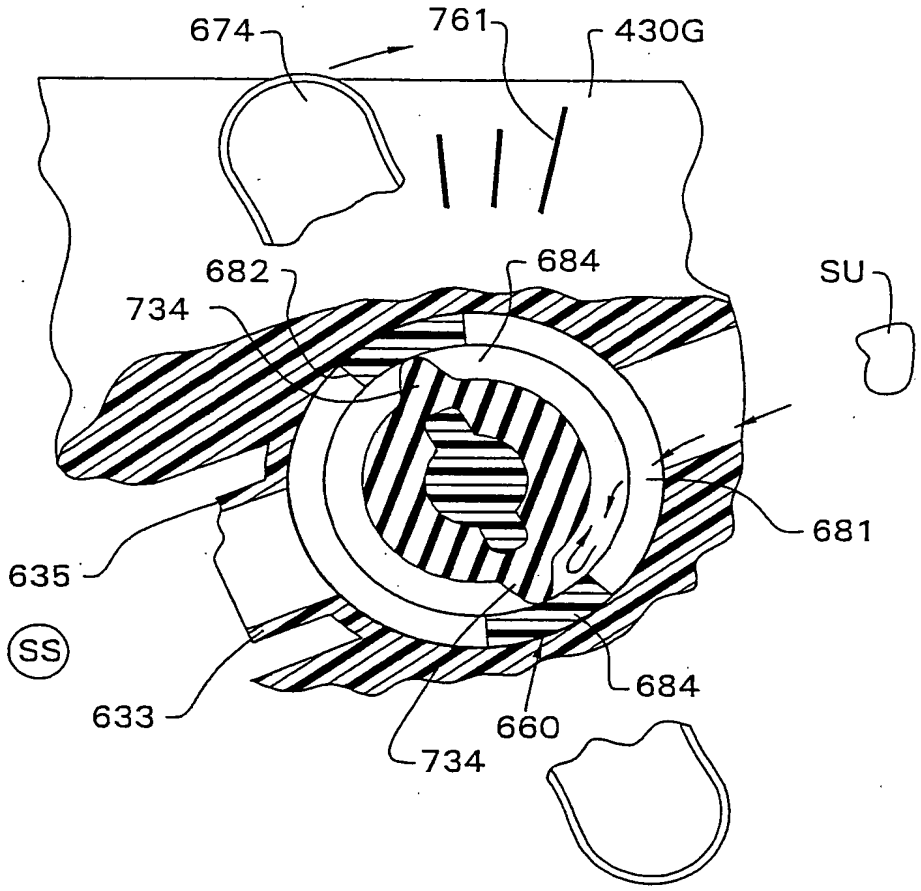



FIG. 8C

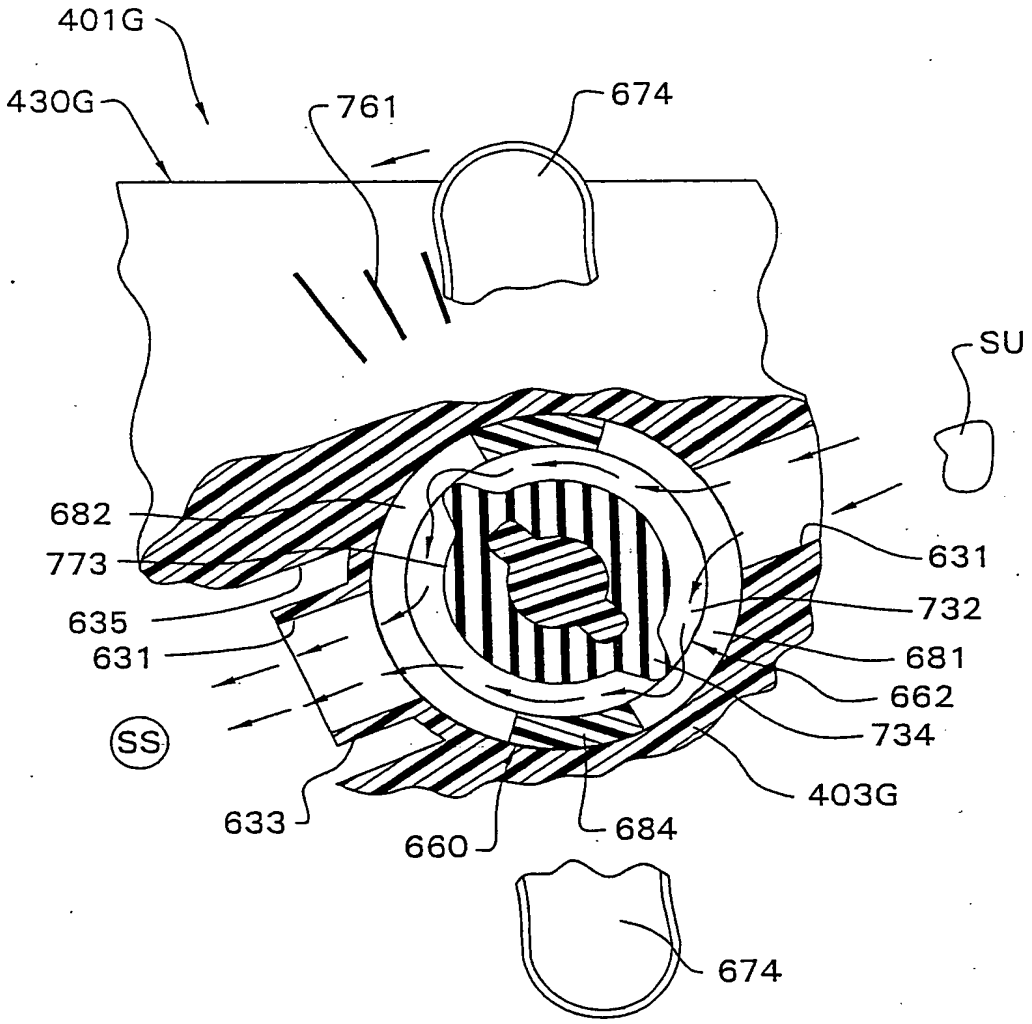

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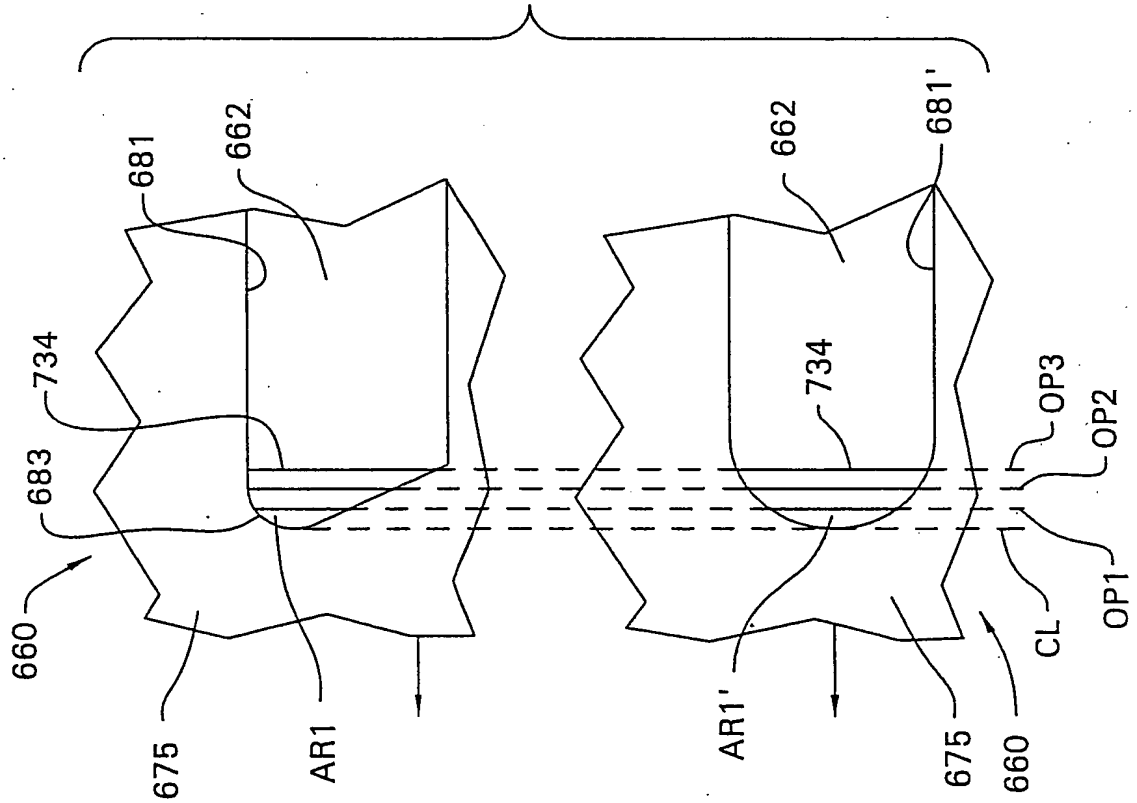
FIG. 9C

FIG. 9D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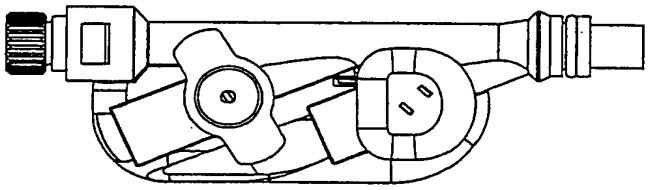

FIG. 10A

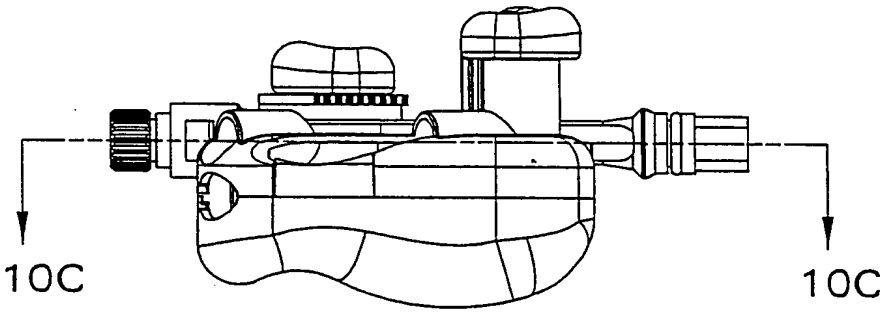


FIG. 10B

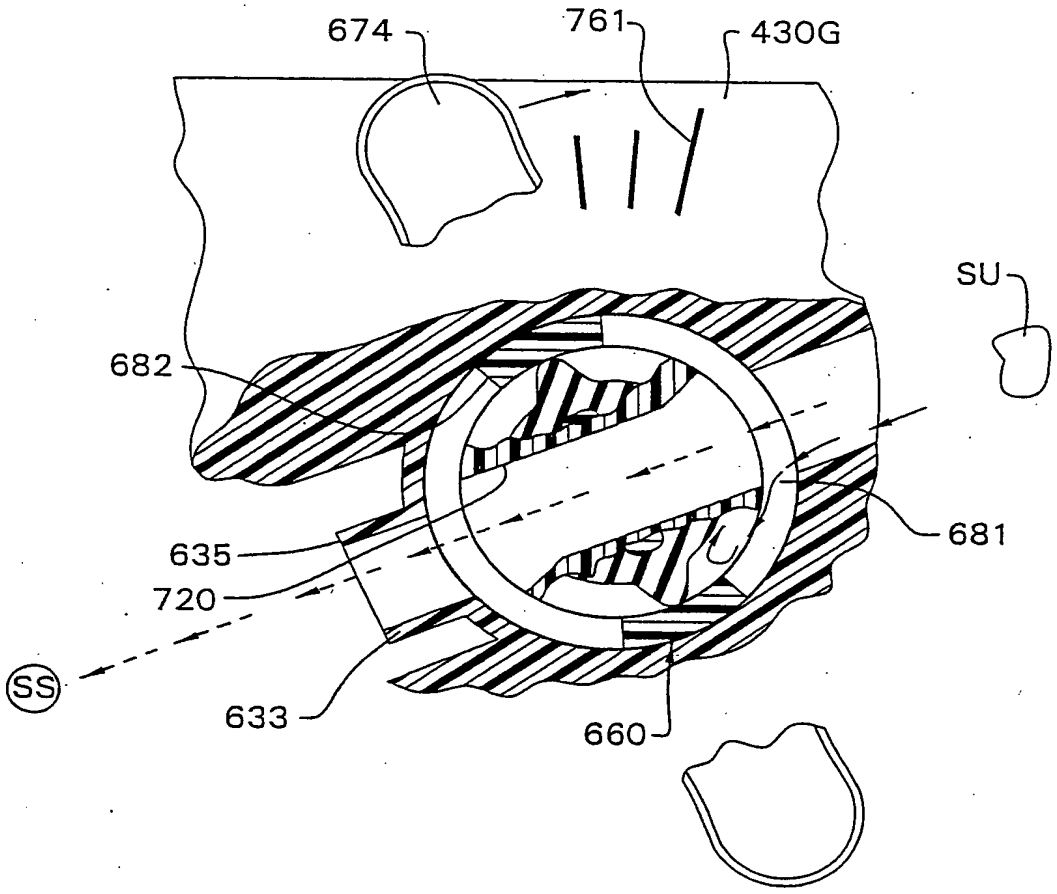


FIG. 10C

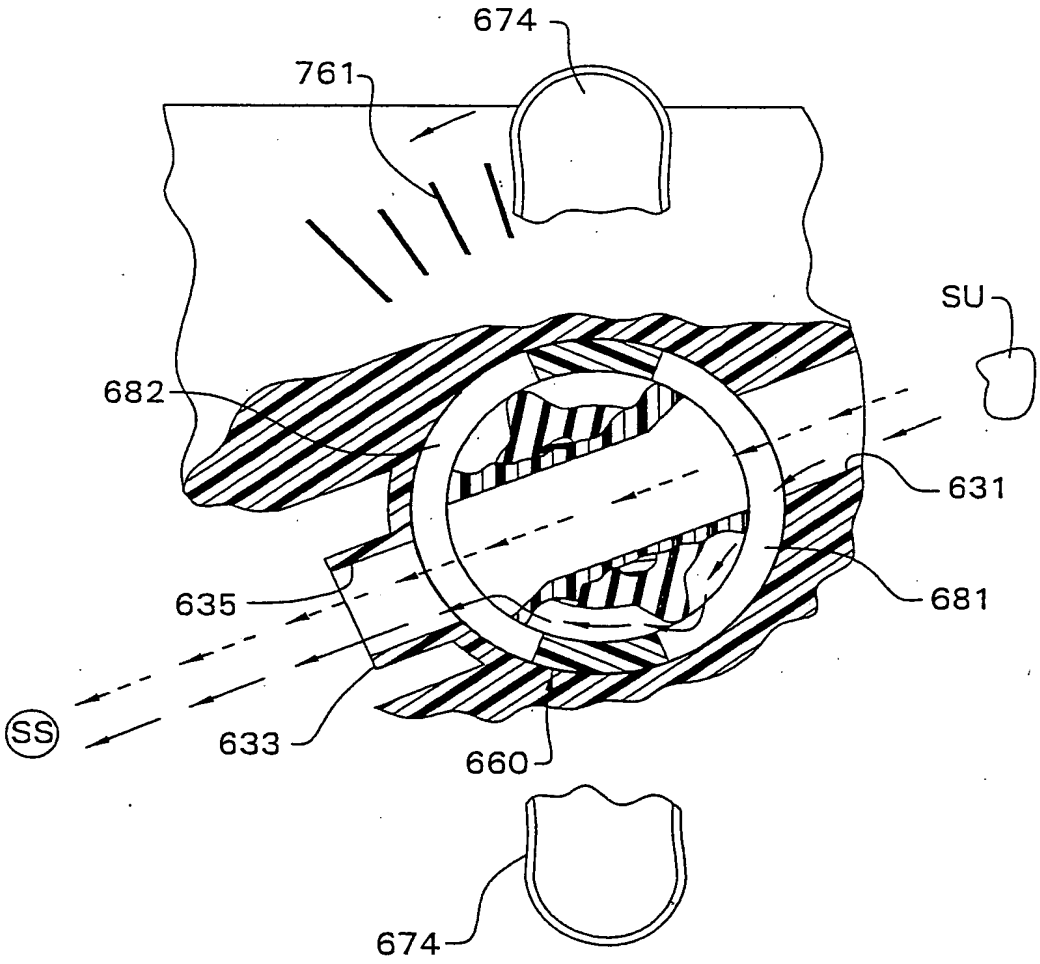


FIG. 10D

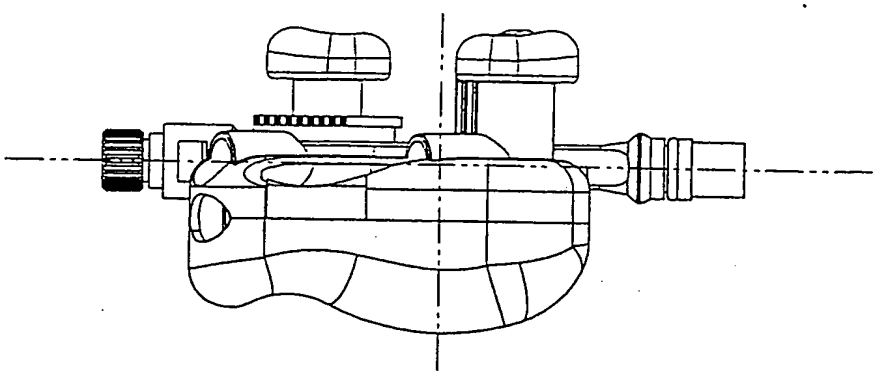

FIG. 11A

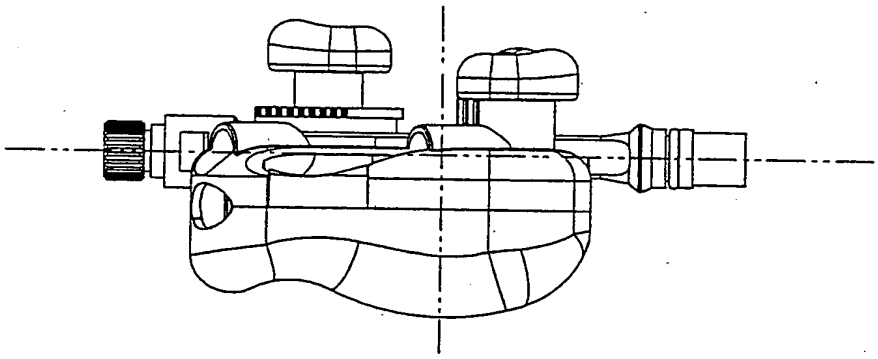

FIG. 12A

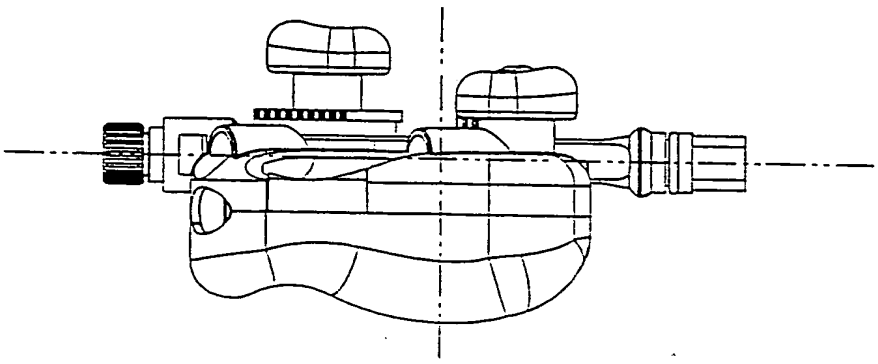

FIG. 13A

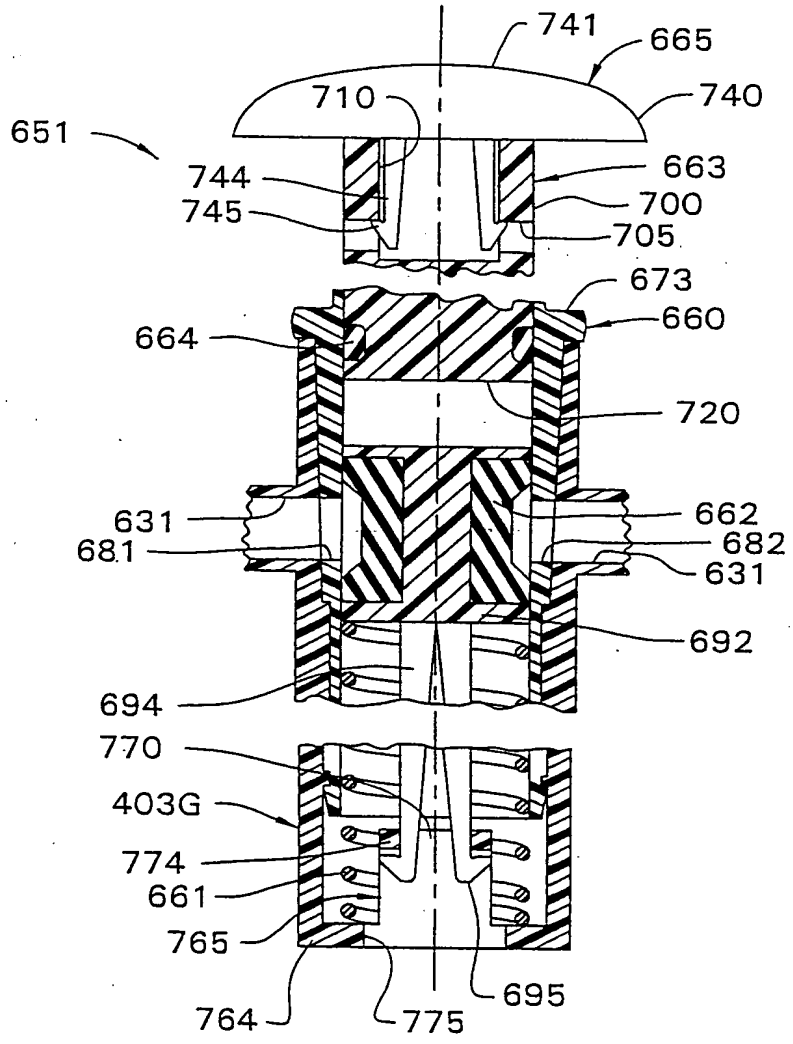
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FIG. 14A

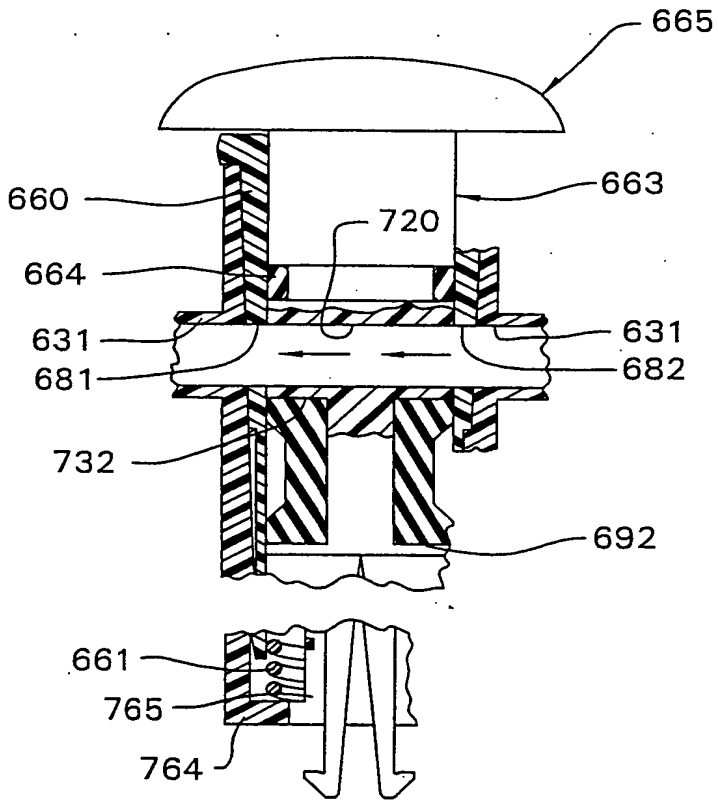



FIG. 14B

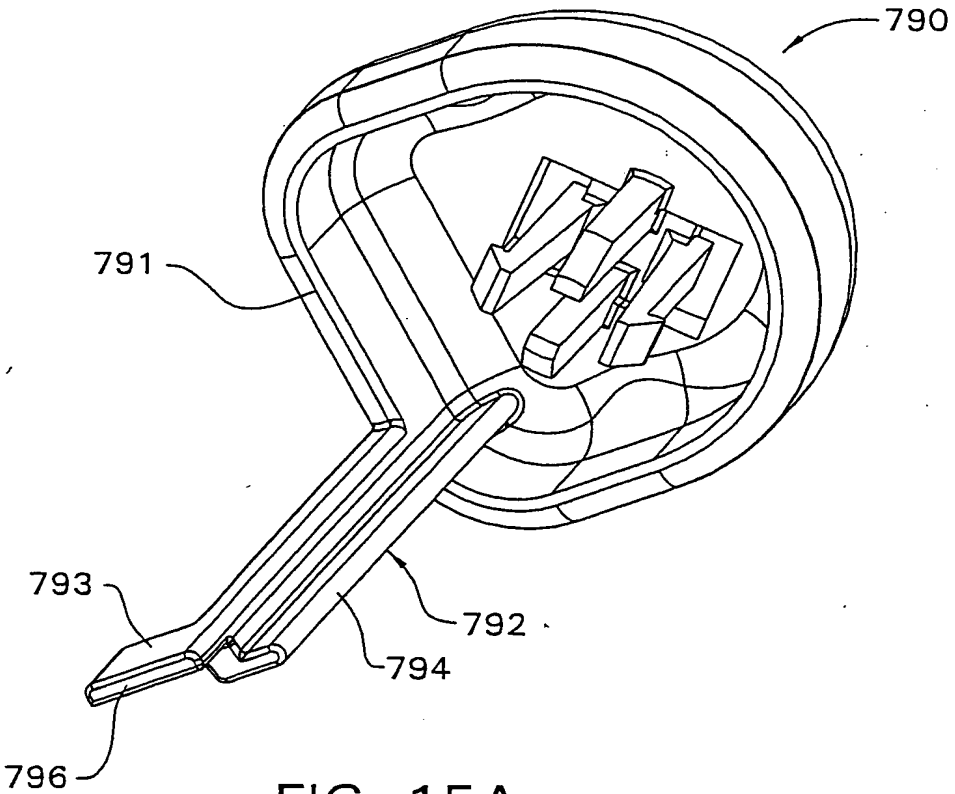
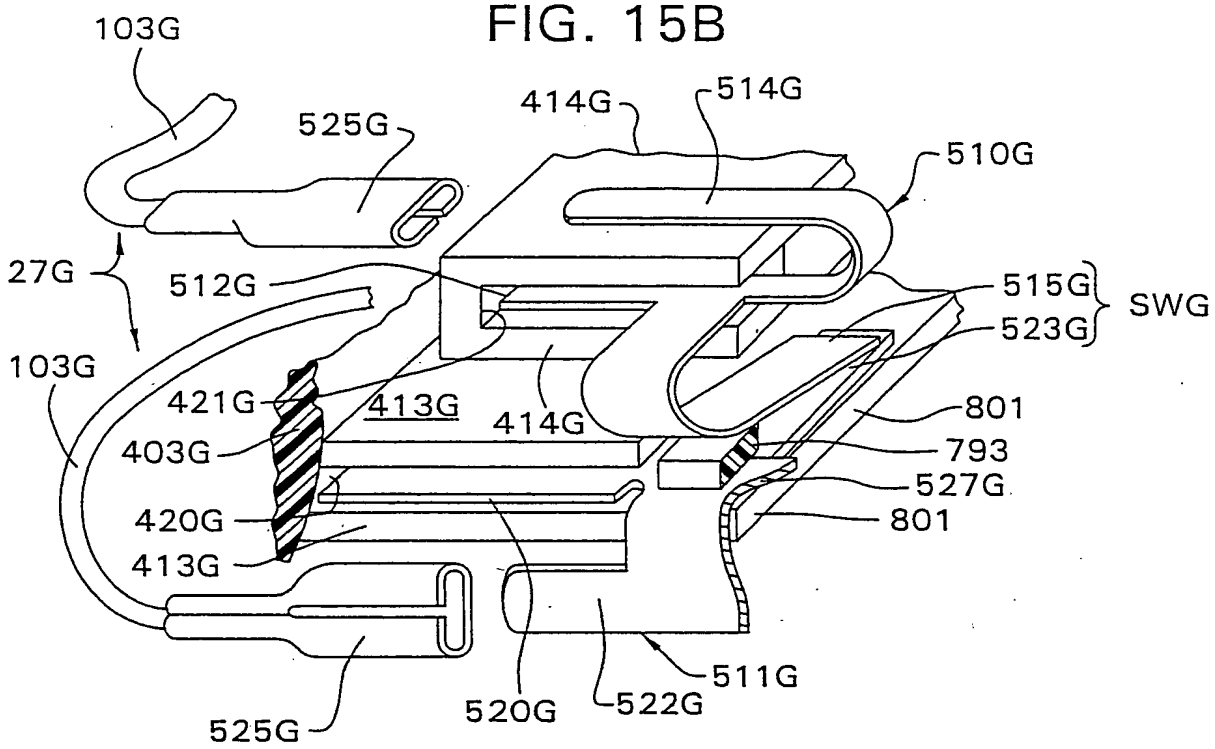



FIG. 15A

FIG. 15B



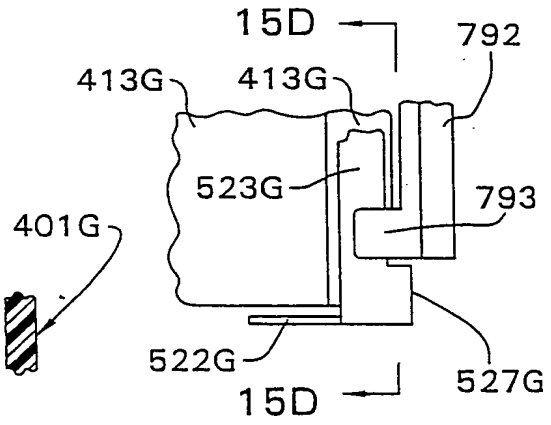




FIG. 15C

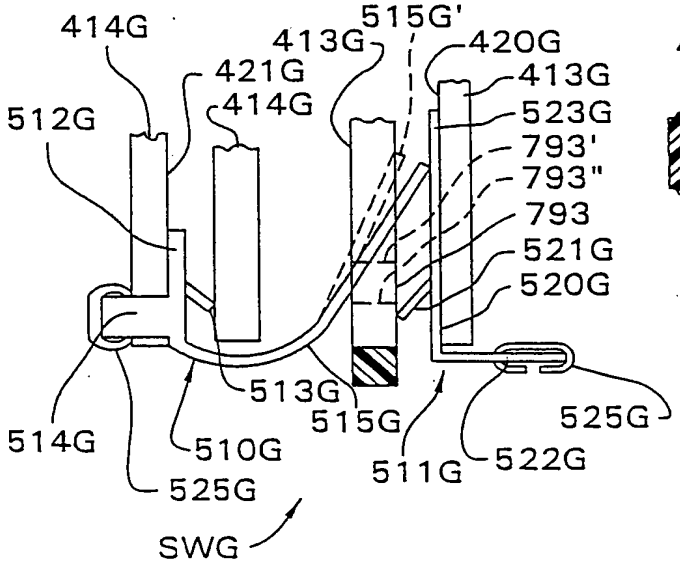



FIG. 15D

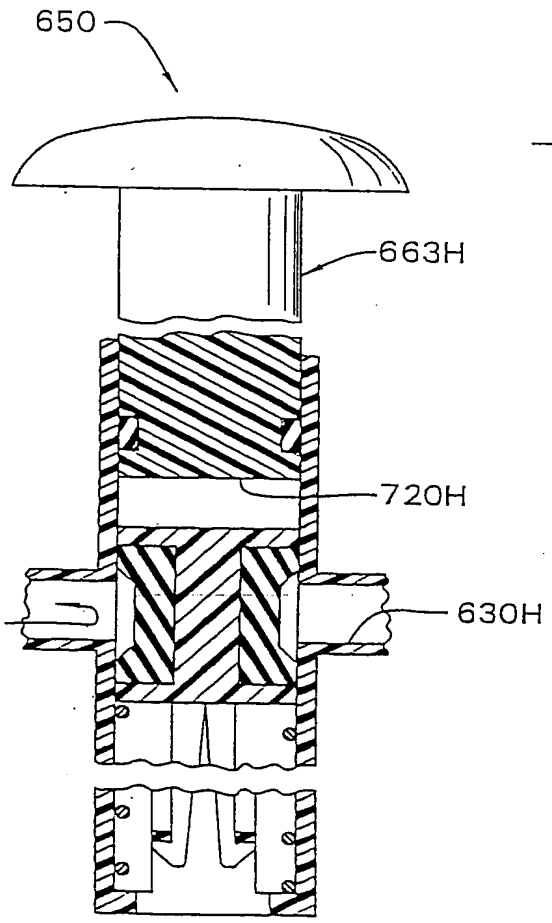



FIG. 16A

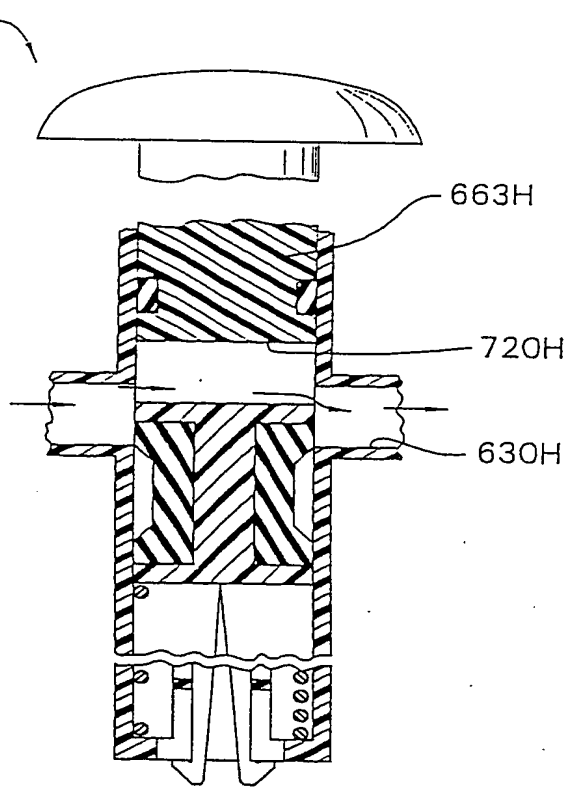



FIG. 16B

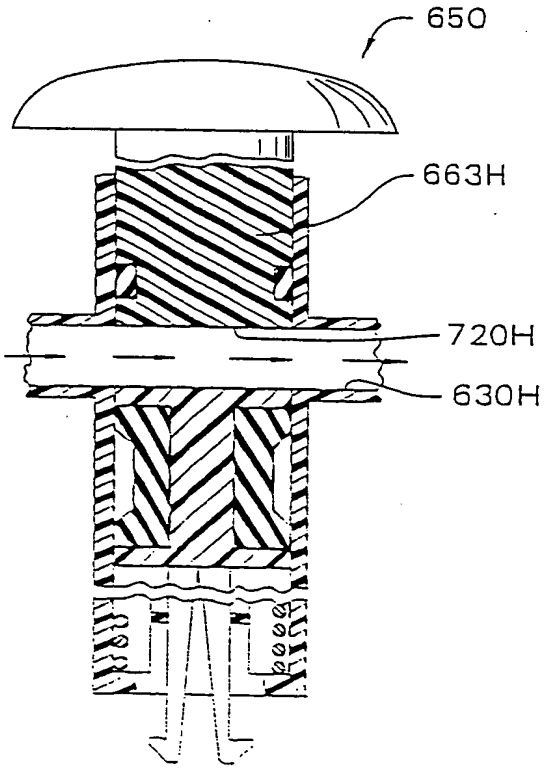



FIG. 16C

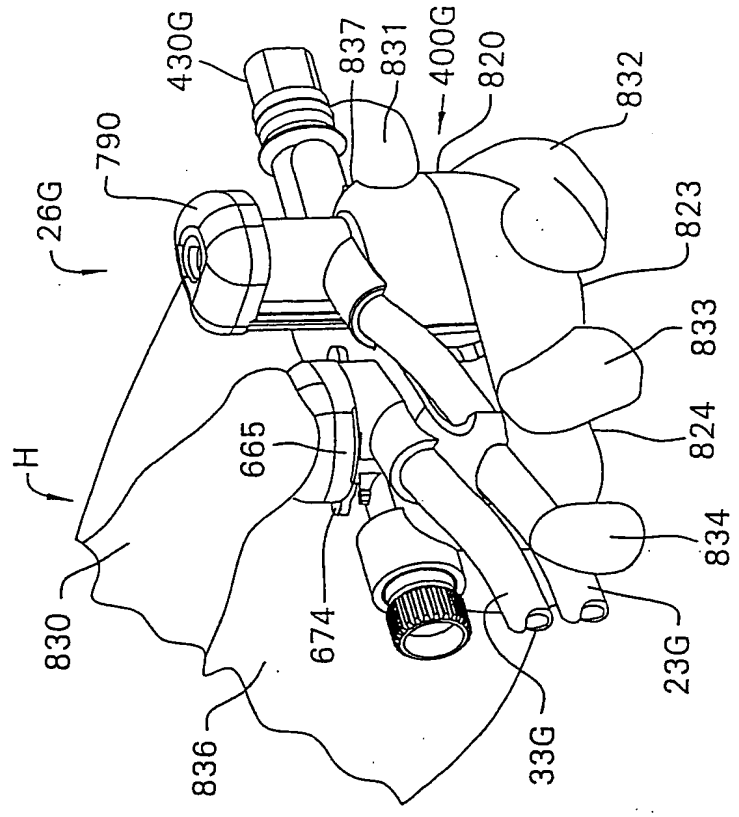



FIG. 17C

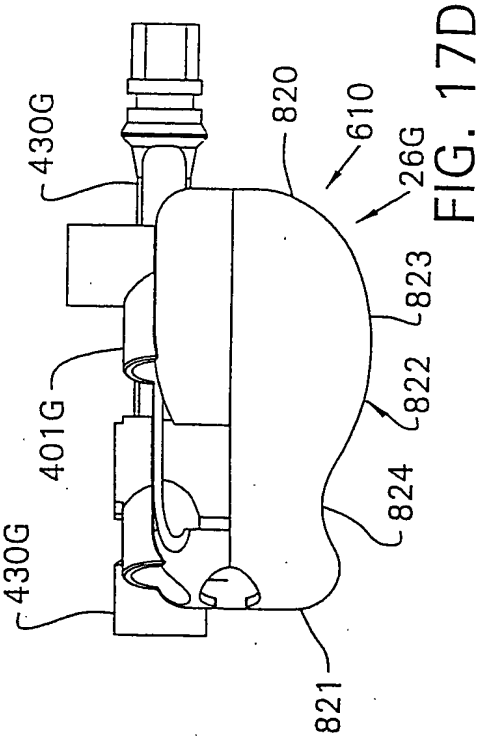



FIG. 17D

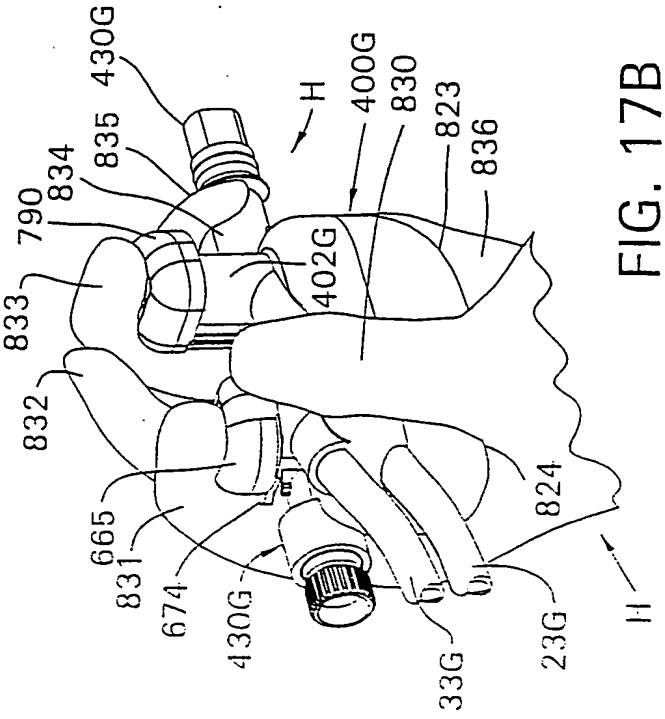



FIG. 17B

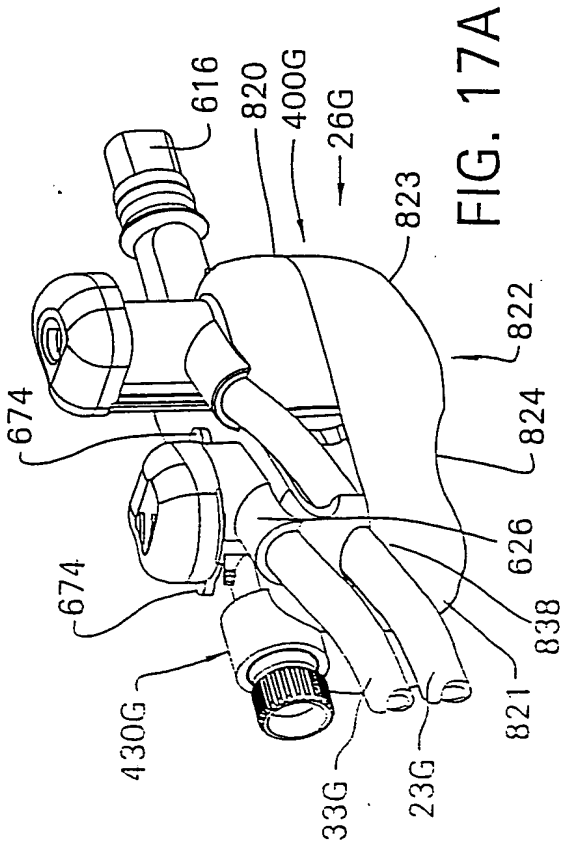



FIG. 17A